



Ground Noise Study Project Manager, Doug Barrett, monitors noise at the North Airpark.



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ADDRESS CORRECTION REQUESTED

GROUND NOISE UPDATE

Ted Stevens Anchorage International Airport • Morton V. Plumb Jr., Airport Director



February 2001

Thanks for Your Help in September

Ted Stevens Anchorage International Airport would like to take this opportunity to thank all of the Anchorage residents who helped with the noise and vibration measurements conducted in September. The logs, letters and comments that we received were very helpful, and are currently being studied and documented. The logs are being compared to the sound-level measurements that were taken on the airport and in the neighborhoods near the airport, to help determine the main sources of noise disturbances to our neighbors. We would also like to thank those who allowed us to set up monitors on their property and the many others who offered their property for measurement sites. We could not complete this study without your help. Thank you.

Winter Measurements, Feb. 14-17

After having reviewed the results from the September measurement period, we are ready to start conducting the winter measurements. The purpose of the winter measurements is to attempt to measure changes in sound levels, relative to "summer" conditions, that may be caused by typical winter weather conditions. Measured sound levels may be affected by such factors as temperature inversions, frozen or snow-covered terrain, and seasonal wind patterns. The secondary purpose of the winter measurements is to fill-in gaps in the data collected in September 2000 for particular noise sources. During the winter measurements, we intend to focus primarily on start-of-takeoff noise and thrust reversals, the two loudest and most readily identifiable types of ground noise events in community locations.

Next Step

During the September measurements we measured for approximately two days each in Turnagain, Spenard, and Sand Lake with four to five monitors placed simultaneously in each neighborhood. Our goal was to obtain data on how noise levels varied throughout each neighborhood (by comparing one site to another). In addition, we located monitors at seven different "on-airport" sites to help determine the sources and time periods of noise events.

In February, we plan to measure for the entire time period at two of the previous sites in each of the three neighborhoods (a total of six sites). In addition, we will measure at two "on-airport" sites. By leaving the monitors in the same locations for the entire measurement period, we hope to obtain as much information as possible regarding sound propagation under different weather conditions.

How You Can be Involved

Data Logging: For those who wish to participate, a residential log (with instructions) is attached for your use during the upcoming measurement period, **February 14-17**.

Workshops: Also, you are invited to attend an informal workshop to learn about the results of the September measurements. ***Please call Theresa Maser at 266-2543 to RSVP if you would like to attend a workshop.*** The workshops each will focus on one neighborhood and will be held at the following dates and times:

Turnagain	Wed., Feb. 14, noon to 1:00 PM
Spenard	Thurs., Feb. 15, noon to 1:00 PM
Sand Lake	Fri., Feb. 16, noon to 1:00 PM

Public Meeting: Join us to review the draft study results at a public meeting this spring (date to be announced).